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Rules

AND

LIST OF OFFICE BEARERS AND MEMBERS

OF THE

Neurological Society of London,

1894,

WITH THE

Annual Report of Council, and Balance Sheet for the Year 1893.

LONDON
JOHN BALE & SONS
87-89, GREAT TITCHFIELD STREET, OXFORD STREET, W.
1894.

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Neurological Society of London.

REPORT OF COUNCIL.

JANUARY 25th, 1894.

The Council begs to report to the Society its continued prosperity. The total number of Members is now 152, and the interest shown in the work of the Society has been even more evident during the past year than in previous sessions. It has been found necessary to hold more than the usual number of meetings, and the average attendance of Members has increased.

At the Annual General Meeting, held on January 19th, 1893, the newly-elected President, Professor SCHÄFER, delivered an address on "The Nerve Cell as the basis of Neurology"; and a full list of the communications to the Society during the year is appended to this Report.

The Balance in the hands of the Treasurer is again satisfactory, as will be seen from the accompanying Balance Sheet; and "Brain," the Journal of the Society, edited by Dr. DE WATTEVILLE, has maintained its high reputation.

But while reporting that the condition of the Society is in so many respects satisfactory, the Council regrets the loss to the Society of two greatly esteemed Members. Professor CHARCOT, lately elected an Honorary Member of the Society, died during the year, and the Science of Neurology has lost in him one of its most able exponents. The death of Dr. JAMES ANDERSON affected the Society even more nearly. Dr. ANDERSON was for several years Secretary to the Society, and at the time of his death was a member of the Council. The Society was greatly indebted to him for much of its success, and his work was highly valued.

List of Communications to the Neurological Society, 1893.

January 19th, Professor SCHÄFER, F.R.S. Inaugural address, "The Nerve Cell as the basis of Neurology," *Brain*.

February 9th, Dr. SHERRINGTON, F.R.S. "The Skin Fields of some Sensory Spinal Nerve Roots."

May 11th, Dr. RISIEN RUSSELL. "On the results of Cerebellar Lesions in Dogs." Professor HORSLEY, F.R.S., and Dr. KRAMER, "On an Experimental Investigation of the Effects of Gun Shot Wounds of the Brain." Dr. MOTT, "The Effects of Removal of Cortical Motor Centres." Dr. HALE WHITE, "The Effects of Removal of 'the Arm Area' of the Cortex." Dr. SHERRINGTON, F.R.S., "Division of the Fifth Nerve."

May 15th, Mr. R. BOYCE, Photographs illustrating the degeneration in the Medulla and Cord following ablation of the Cerebral Hemispheres in Mammals. Dr. SHERRINGTON, F.R.S., Photographs illustrating the Skin Fields of the Upper Sensory Roots. Drs. BRUNTON, F.R.S., and CARRUTHERS, "Experiments in Elucidation of 'Treadler's Cramp.'" Dr. A. S. GRÜNBAUM, "On the Local Fibres of the Spinal Segment." Professor SCHÄFER, F.R.S., and Dr. FLOOD, "Some Results of Extirpation of the Lower Part of the Ascending Frontal Gyrus."

June 15th, Dr. J. HUGHLINGS JACKSON, F.R.S., "Ophthalmoplegia Externa, with weakness of the Orbicularis Palpebrarum." Dr. FERRIER, F.R.S., "Ophthalmoplegia Externa, with weakness of the Orbicularis Palpebrarum." Dr. WOOD, "Tabes with Ophthalmoplegia, Paralysis of the Motor part of fifth nerve, and Laryngeal Paralysis." Dr. J. HUGHLINGS JACKSON, F.R.S., "Lesions of the Sixth, Seventh, and Twelfth Cranial Nuclei, with Paralysis of the Infra-hyoid Muscles." Dr. JUDSON BURY, "Persistent profound Hemianæsthesia, with marked Concentric Narrowing of the Visual Fields, and Trophic Lesions of the Hand on the affected side."

November 23rd, Dr. DONKIN, "A Case of Muscular Wasting of both Upper Extremities, and complete Paralysis of one." Dr. H. LEWIS JONES, "Five Cases of Symmetrical Atrophy of the Intrinsic Muscles of the Hand in Young People." Dr. ORMEROD, "A Case of Syringo-myelia, showing loss of temperature sense, but not of pain." Dr. BEEVOR, "Paralysis Agitans, with Tremor of Lips, Tongue, and Jaw." Dr. HECTOR MACKENZIE, "A Case of Friedreich's Disease; a Case of Chorea in a man aged 81."

BALANCE SHEET, 1893.

NEUROLOGICAL SOCIETY.

Cr. Receipts.	£	s.	d.
To Balance in hand	169	0	10
Subscriptions for current year	142	0	0
Do. arrears	5	0	0
Do. in advance	1	0	0
Sundries	0	12	0
Plates refunded	4	0	0
Share of profit on "Brain" (Messrs. Macmillan & Co.)	4	17	2
	£326	10	0

Expenditure.	*Dr.* £	s.	d.
By Illustrations—Danielssen	4	0	0
Do. Thevoz & Co.	12	0	0
Do. Griffiths	8	8	0
Do. Typographic Etching Co.	8	11	0
Do. Watkinson & Co.. ...	6	10	0
Stationery, &c.—Pulman & Sons ...	17	11	3
Do. and Reprints—Bale & Sons ...	9	2	11
Sundries (Scotch Drafts)...	0	3	0
Housekeeper, University College ...	3	1	0
Royal Medico-Chirurgical Society—Hire of rooms, £9 9s.; Refreshments, £5 5s.	14	14	0
Messrs. Macmillan—144 Subscriptions of Members at 11s. each, £79 4s.; Do. on additional Subscriptions, £6 12s.; Excess of Corrections on "Brain," £2 ...	87	16	0
Messrs. Coutts' cheque book	0	4	0
Balance in hand, Dec. 13, 1893	154	8	10
	£326	10	0

Audited and found correct,
A. DE WATTEVILLE.

RULES.

1.—The Society shall be called the NEUROLOGICAL SOCIETY OF LONDON.

2.—The objects of the Society shall be to promote the advance of Neurology and to facilitate intercourse amongst those who cultivate it, whether from a Psychological, Physiological, Anatomical, or Pathological point of view.

3.—The Society shall consist of Ordinary, Corresponding, and Honorary Members.

4.—Any one engaged in researches bearing on Neurology, or manifesting interest in such researches, shall be eligible for the Ordinary Membership.

5.—Men of distinction in Science, who have contributed to the advancement of Neurology, shall be eligible for the Honorary, or for the Corresponding Membership.

6.—The number of Honorary Members shall be limited to six, and that of Corresponding Members to twelve.

7.—Honorary and Corresponding Members shall have the right of attending the Meetings of the Society and of taking part in them.

8.—Honorary and Corresponding Members shall be elected by the Society on the recommendation of the Council.

9.—Candidates for Ordinary Membership shall be recommended by at least three Members of the Society, who shall append their names to a printed form supplied by the Secretaries to any person seeking Membership.

10.—The Council shall nominate candidates for election into the Society as Ordinary Members from among persons so recommended.

11.—The names of Candidates nominated by the Council shall be submitted to the next Meeting of the Society, and shall be balloted for at the next subsequent meeting, one black ball in ten excluding.

12.—The Annual Subscription of an Ordinary Member shall be One Pound, due in advance.

13.—The Treasurer shall send to each Member, shortly before the Annual General Meeting, a notice reminding him that his Subscription becomes due on that day.

14.—Non-payment of the Subscription within twelve months after it is due shall be considered as equivalent to resignation.

15.—Absence of any Member residing within the Metropolitan area from all Meetings held during the year shall be considered as equivalent to resignation.

16.—The Council shall consist of a President, two Vice-Presidents, two Secretaries, one Treasurer, and ten Councillors.

17.—Five Members of the Council shall form a quorum.

18.—The office of President shall be tenable for one year, and be entered upon at the beginning of each year by the Senior Vice-President.

19.—The office of Vice-President shall be tenable for two years; one Vice-President being elected every year.

20.—The Secretaries and Treasurer shall be elected annually, with eligibility for re-election.

21.—The Councillors shall be elected for one year, and not more than eight shall be eligible for re-election to the same office during the following year.

22.—One full week before the Annual General Meeting, the Secretaries shall send to each Member a balloting paper containing the names of the Officers and Councillors whom the Council nominate for the ensuing year.

23.—The Society shall elect the Council by ballot, each Member, however, being at liberty to substitute other names for any of those upon the list.

24.—There shall be six ordinary meetings annually, of which the first held in each year shall be the Annual General Meeting.

25.—Notices of each meeting, and of the subjects to be considered, shall be sent by the Secretaries to each Member of the Society at least one week before the meeting.

26.—Special Meetings shall be held at the option of the Council, or at the request, in writing, of twenty Members.

27.—The President shall have the power of inviting any person to attend and to take part in the scientific work of a meeting.

28.—If at any time the Council shall be of opinion that the interests of the Society require the expulsion of a Member, they shall submit the question to a Special General Meeting, at which, if more than one-half of the Members of the Society vote, by ballot as usual, for the expulsion of the Member, his subscription for the current year shall be returned to him, and he shall thereupon cease to be a Member of the Society.

29.—The Council shall draw up and submit for the approval of the Society supplementary rules regulating the dates, places, and character of the meetings; shall propose special subjects for investigation by the Society, and shall nominate sub-committees for the methodical carrying out of such investigations. They shall decide, from time to time, on the form of publication which its proceedings are to assume.

30.—No alteration shall be made in the present rules, excepting at the Annual Meeting, or at a Special Meeting convened for the purpose, and unless it be proposed by the Council, or in writing by at least twenty Members, the usual notice be given of the proposed change to every Member before the meeting at which it is to be brought forward.

Each Member receives quarterly, from the beginning of the year in which he is elected, a copy of "BRAIN; a Journal of Neurology," the organ of the Society, and edited for it by A. de Watteville, M.A., M.D., B.Sc.

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Mr. HERBERT SPENCER, London.

Professor WUNDT, Leipzig.

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" ERB, Leipzig.

" HITZIG, Halle.

" JOLLY, BERLIN.

" SCHIFF, Geneva.

Dr. WEIR MITCHELL, Philadelphia.

, Members are requested to communicate with the Secretaries when corrections are necessary.

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EXPLANATION OF ABBREVIATIONS.

O.M., Original Member.	Tr., Treasurer.
Pres., President.	Sec., Secretary.
V.P., Vice-President.	C., Member of Council.

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The Proceedings of the Neurological Society from its Foundation to the Year 1893.

THE Neurological Society of London was founded in the year 1886, and the first General Meeting was held on January 14. As the Society publishes no transactions the Council have thought it advisable hereby to record its proceedings up to the present date, and in the future to publish a statement of the year's work with the Annual Report.

1886. March 24, Dr. J. HUGHLINGS JACKSON, F.R.S. Inaugural address, "On the Scope and Aims of Neurology."

May 15, Professors SCHÄFER, F.R.S., and HORSLEY, F.R.S., a demonstration on "Cerebral Localisation."

June 24, Dr. JAMES ANDERSON, "A Case of Basal Cerebral Tumour affecting Left Temporo-sphenoidal Lobe." Mr. JONATHAN HUTCHINSON, F.R.S., "A Case of Arrest of the Salivary Secretion (dry mouth)." Mr. VICTOR HORSLEY, (1) "Traumatic Epilepsy; Excision of Scar Involving Cortex;" (2) "Excision of Middle Division of Fifth Nerve for Neuralgia."

November 17, Dr. SAVAGE, "The Relation of Epilepsy with Insanity" (BRAIN, vol. ix., p. 446).

December 16, Dr. BASTIAN, F.R.S., "The Muscular Sense, its Nature and Cortical Localisation" (BRAIN, vol. x., 1), with discussion by Drs. FERRIER, ROSS, HUGHLINGS-JACKSON, MERCIER, DE WATTEVILLE, Sir JAMES CRICHTON-BROWNE; Profs. SULLY, HORSLEY and HAYCRAFT.

1887. January 27, Dr. BUZZARD, "Two Cases of Thomsen's Disease" (*Lancet*, May 14, 1887). Dr. FERRIER, F.R.S., and Mr. HORSLEY, F.R.S., "A Case of Successful Removal of Cerebral Tumour." Dr. HUGHES BENNETT, "Chronic Epilepsy Successfully treated by Trephining" (*Brit. Med. Journ.*, 1887, i., p. 12). Dr. BEEVOR, "Cases of Infantile Paralysis, Paralysis Agitans and Tabes Dorsalis."

February 23, Dr. HALE WHITE, "Case of Congenital Brain Disease." Dr. ORD, "Case of Chronic Cervical Pachymeningitis." Dr. BRISTOWE, F.R.S., (1) "Case of Rapid Action of the Heart;" (2) "Case of Unilateral Sweating." Dr. DONKIN, "Case of Hammerman's Cramp." Dr. HUGHES BENNETT, "Compression of the Cord by Osseous Growth." Dr. LESLIE OGILVIE, "Case of Supposed Disseminated Sclerosis in a child." Dr. ORMEROD, "Cases of Muscular Atrophy" (*St. Barth's. Hosp. Reports.*, vol. xxiii., p. 104-106). Dr. BEEVOR, "Case of Tabes Dorsalis with Abductor Laryngeal Paralysis." Dr. MITCHEL BRUCE, "Tumour Compressing the Spinal cord" (BRAIN, vol. x., p. 210). Dr. HUGHES BENNETT, (1) "Sarcomatous Tumour of Medulla;" (2) "Tumour of Posterior Roots;" (3) "Limited Lesion of Internal Capsule, causing paralysis of one arm only during life."

March 26, Dr. SEMON and Mr. VICTOR HORSLEY, F.R.S., "A Demonstration on the Phonation Centre" (*Phil. Trans.*, vol. clxxxi., 1890, B. p. 187). Dr. SANGER BROWN and Prof. SCHÄFER, F.R.S., "A Demonstration on the Sensory Centres."

May 12, Dr. GAY, "Ataxia of the Vocal Cords in Tabes Dorsalis." Dr. ORMEROD, "Case of Upper Arm Paralysis" (*St. Barth's. Hosp. Reports*, vol. xxiii., p. 90). Dr. BEEVOR, (1) "Cases of Atrophy of Muscles;" (2) "Cases of Disseminated Sclerosis." Dr. ORD, "Cases of Atrophy of Muscles." Dr. HADDEN, "Cerebral Tumour."

July 7, Dr. HUGHES BENNETT, Muscular Hypertonicity in Paralysis" (BRAIN, vol. x., 289). With Discussion by Drs. HUGHLINGS JACKSON, BUZZARD, FERRIER, DONKIN and HALE WHITE.

November 10, Dr. BRISTOWE, F.R.S., "A Case for Diagnosis." Dr. MOTT, "Sub-acute Myelitis of the Cervical Enlargement, resulting from a fall." Dr. BUZZARD, (1) "Paralysis of Fifth, Sixth, Seventh and Eighth Nerves;" (2) "Bulbar Symptoms in a Case of Insular Sclerosis." Dr. BEEVOR, (1) "Paralysis Agitans without Tremor;" (2) "Disseminated Sclerosis with Tabetic Symptoms." Dr. SAVILL, "Hysterical Paraplegia."

December 8, Dr. MERCIER, "Inhibition" (BRAIN, vol. xi., p. 361). With Discussion by Drs. HUGHLINGS JACKSON, WARNER, BROADBENT, SAVAGE and CATTELL.

1888. March 15, Dr. SHARKEY, (1) "Fatal Case of Tumour of Auditory Nerve" (BRAIN, vol. xi., p. 97); (2) "Case of Atrophy of Frontal and Parietal Lobes, consequent on prolonged Spinal Paralysis" (BRAIN, vol. xi., p. 94). Dr. BUZZARD, (1) "Sequel to a Case of Multiple Paralysis of Cranial Nerves" (BRAIN, vol. xi., p. 84); (2) "Case of Peripheral Neuritis with double wrist-drop, simulating Lead Palsy" (BRAIN, vol. xi., p. 90). Dr. HADDEN, "Ruptured Brachial Plexus." Drs. HADDEN and SHERRINGTON, "Sections showing Ascending Degeneration in the Spinal Cord" (BRAIN, vol. xi., p. 325). Dr. HALE WHITE, "Brains of two rabbits in which Pyrexia had been produced by Lesions of the Corpus Striatum" (*Journ. of Physiol.*, vol. xi.) Dr. A. DE WATTEVILLE, "Case of Aphemia."

May 5, Prof. SCHÄFER, F.R.S., "On the Visual Area of the Cortex" (BRAIN, vol. xi., p. 1). Dr. BEEVOR, Sections of Brain stained by Pal's modification of Weigert's method (lantern demonstration). Mr. E. P. FRANCE, A modified Weigert staining process. Degenerations following Lesions of the Marginal Gyrus.

June 28, Dr. W. H. GASKELL, F.R.S., "The plan of Formation of the Spinal and Cranial Nerves" (*Med. Chi. Trans.*, vol. lxxi., p. 364). Prof. SCHÄFER, F.R.S., Photographs of the brains of monkeys shown to the Society on March 26, 1887, showing very Extensive Destruction of the Superior Temporal Gyrus and Temporal Lobe (BRAIN, vol. xi., p. 1 and p. 145).

November 15, Dr. A. DE WATTEVILLE, (1) "Case of Analgesia in the Area of the Fifth Nerve;" (2) "Atrophic Paralysis of Arms and Neck;" (3) "Atrophic Paralysis with Increased Tendon Reaction." Dr. ORMEROD, "Peculiar Affection of Speech." Dr. J. HUGHLINGS JACKSON, F.R.S., "Case of Return of Knee-jerk in Tabes Dorsalis after Hemiplegia" (*Brit. Med.*

Journ., July 11, 1891). Dr. ORMEROD, "Section, showing Combined Lateral and Posterior Sclerosis in which the Knee-jerk was present" (*St. Barth. Hosp. Reports*, vol. xxix.; figured in "Student's Guide to Nervous System," p. 216). Dr. JAMES ANDERSON, "Case of Facial Hemiatrophy." Dr. BEEVOR, "Case of Traumatic Functional Contraction with Anæsthesia." Dr. MITCHELL BRUCE, "Case of Exophthalmic Goitre with General Muscular Atrophy." Dr. HADDEN, "Case of Neuro-muscular Irritability" (BRAIN, vol. xii., p. 525).

December 20, Dr. FERRIER, "Cerebral Localisation in its Practical Relations" (BRAIN, vol. xii., p. 36).

1889. January, 24, Mr. J. HUTCHINSON, F.R.S., Inaugural address, "On the Nervous System in its Relation to Diseases of the Skin" (*Illus. Med. News*, 1889).

February 28, Mr. G. J. ROMANES, F.R.S., "The Origin of Human Faculty" (BRAIN, vol. xii., p. 289).

May 18, Dr. HALE WHITE, "The Experimental Production of Pyrexia in Rabbits by Lesions of the Corpus Striatum and its Neighbourhood" (*Journ. of Physiol.*, vol. xii.). Dr. H. B. DEAN, "On an Experimental Investigation into the Variations in the Surface Temperature of the Two Sides of the Body in Compression of the Brain" (*Journ. of Path.*, 1894, p. 26). Mr. VICTOR HORSLEY, F.R.S., "On Clinical Observations during the past seven years on the Value of Differences Observed in the Temperature of the Two Sides of the Body, as Symptomatic of Cerebral Lesions."

June 25, Dr. SHERRINGTON, "Degenerations following Lesions of the Motor Cortex" (a preliminary communication).

November 21, Dr. HALE WHITE, "Case of Cured Cerebro-spinal Meningitis" (BRAIN, vol. xiii., p. 461). Dr. TAYLOR, "Case of Lead Paralysis." Dr. HADDEN, (1) "Defect of Articulation in a boy;" (2) "Neuro-muscular Irritability" (a case shown November 15, 1888). Dr. ORMEROD, (1) "Paralysis of Ocular Movements, with Spasmodic Affection of face, neck, speech, &c." (*Ophth. Soc. Trans.*, vol. iv., p. 310, and vol. xiii., p. 279); and "Sections of Spinal Cord from a case of Tabes Dorsalis, which terminated with symptoms of General Paralysis" (*St. Barth. Hosp. Reports*, vol. xxv., p. 87; figured in "Students' Guide to Nervous System," p. 208). Dr. HUGHLINGS JACKSON, "Case of Supposed Double Hemiplegia" (*Lancet*, vol. ii., 1892).

December 19, Dr. SULLY, "The Pscho-physical Process in Attention" (BRAIN, vol. xiii., p. 145).

1890. January 23, Dr. BUZZARD, Inaugural address, "The Simulation of Hysteria by Organic Disease of the Nervous System" (BRAIN, vol. xiii., p. 1).

February 20, Drs. RUSSELL and TAYLOR, "The Method of Treatment by Suspension, and its Therapeutic Value" (BRAIN, vol. xiii., p. 206). Dr. SHERRINGTON, "Results of Experiments in Suspension of the Cadaver" (BRAIN, vol. xiii., p. 449). Dr. MITCHELL CLARKE, Sections of the Spinal Cord in Tabes (BRAIN, vol. xiii., p. 356).

May 28, Dr. F. W. MOTT, "Results of Hemisection of the Spinal Cord in the Dorsal region."

June 25, Dr. SAVILL, (1) "Thickening of the Membranes of the Brain and Spinal Cord;" (2) "Syringomyelia;" (3) "Hæmorrhage into Gyrus Forni-

catus" (BRAIN, vol. xiv., p. 270); (4) "Neuritis in a phthisical patient." Dr. MAGUIRE and Dr. SAVILL, Sections of Nerves from a case of Paralysis Agitans, showing Degeneration.

July 3, Dr. SAVILL, (1) "Cases of Muscular Atrophy with hereditary history" (*Nouvelle Iconographique de la Salpêtrière*, part 3, 1894); (2) "Varieties of Tremor." Dr. DONKIN, "Muscular Atrophy in father and son" (BRAIN, vol. xiii., p. 456).

November 6, Dr. JAMES ANDERSON, (1) "A Case of Morphœa with Epilepsy;" (2) "A Case of Functional Spasm." Dr. MITCHELL CLARKE, Section of Spinal Cord from a case of complete Transverse Section at the level of the second Dorsal Root. Dr. TAYLOR, "Three Cases of Friedreich's Disease." Dr. RIVERS, (1) "Locomotor Ataxy with Perforating Ulcer on each Foot, with Retention of Knee-jerks;" (2) "Case of Hemiplegia in Tabes with Return of the Knee-jerks on the paralysed side." Dr. MAY, "Paralysis of the Third, Fifth and Sixth Cranial Nerves."

December 18, Dr. ROSS, "On Memory" (BRAIN, vol. xiv., p. 35).

1891. January 22, Dr. BRISTOWE, F.R.S., Inaugural address, "The Nature and Relation of Mind to Brain" (BRAIN, vol. xiv., p. 18).

March 5, Dr. HADDEN, "Ataxic Movements in a child." Dr. RIVERS, "A Case of 'Treadler's Cramp'" (BRAIN, vol. xiv., p. 110). Dr. J. HUGHLINGS JACKSON, F.R.S., "Return of both Knee-jerks in Tabes" (*Brit. Med. Journ.*, July 11, 1891). Dr. HALE WHITE, "A Case illustrating the Diagnostic Value of Rise of Temperature in Hemiplegia" (*International Clinics*, vol. i., series iii., p. 162). Dr. BUZZARD, (1) "A Case of Brachial Monoplegia;" (2) "Anomalous Tremors in a woman." Dr. BRISTOWE, (1) "Periodical Neuralgic Pain in the Arm attended with swelling, congestion and tenderness in the hand and forearm;" (2) A Case showing Attacks of Retraction of the Head and Neck, with Symmetrical Central Scotoma and Atrophy of the Optic Discs." Dr. DONKIN, (1) "Functional Nervous Affection after Shock;" (2) "A Case of Lead Palsy."

May 12, Dr. BEEVOR, "Some Points in the Actions of Muscles" (BRAIN, vol. xiv., p. 51). Dr. WALLER, "On the Sense of Effort" (BRAIN, vol. xiv., p. 179).

June 12, Dr. MOTT, "Hemisection of the Spinal Cord in monkeys" (*Phil. Trans.*, vol. clxxxiii., 1892, p. 1). Dr. TURNER, "Hemisection of the Spinal Cord" (BRAIN, vol. xiv., p. 496).

November 19, Dr. DUPUY, "The Rolandic Area Cortex" (BRAIN, vol. xv., p. 190).

December 17, Dr. SAVILL, "Universal Hypertonicity of Muscles and Tendons in a male" (*Lancet*, 1889, vol. ii., p. 792). Dr. TURNER, "Two Cases of Reflex Iridoplegia without Loss of Knee-jerks" (*Roy. Lond. Ophth. Hosp. Reports*, vol. xiii., part 3). Dr. FERRIER, F.R.S., "A Case of Syringomyelia." Dr. BRISTOWE, F.R.S., (1) "Two Cases of Cerebellar Tumour;" (2) "Post-hemiplegic Hemichorea." Dr. PITT, (1) "Spasm of the Ocular Muscles with Lingual Paralysis, and Tonic Spasm of the Extremities;" (2) "Symmetrical Paralysis in the Upper Extremities." Dr. ORMEROD, "Progressive Muscular Atrophy Commencing in the Lower Extremities." Dr.

GALLOWAY, "Sections of the Spinal Cord in Syringomyelia" (*Path. Trans.*, March 17, 1891).

1892. January 29, Dr. BASTIAN, F.R.S., Inaugural address, "The Neural Processes Underlying Volition and Attention" (BRAIN, vol. xv., p. 1).

March 17, Prof. SCHÄFER, F.R.S., "On Descending Degeneration following Lesions of the Cortex Cerebri" (partly published in "Quain's Anatomy," 1893). Dr. MOTT, "On Ascending Degeneration following Lesions of the Spinal Cord" (BRAIN, vol. xv., p. 215). Dr. J. RISIEN RUSSELL, "On the Arrangement of Nerve Fibres in Nerve Tracts and Roots in their Relation to Function" (*Phil. Trans.*, vol. clxxxiv., 1893, B. p. 39, and *Proc. Roy. Soc.*, vol. li., 1892, p. 22). Dr. W. H. THOMPSON, "Degeneration following Lesions of the Superior Temporal Gyrus." Dr. TOOTH, "On the Ascending Antero-lateral Tract in the Medulla" (BRAIN, vol. xv., p. 397).

May 19, Dr. SAVILL, "Cerebral Tumour Accompanied by Anæsthesia of the Opposite Arm" (BRAIN, vol. xv., p. 448). Dr. WIGGLESWORTH, "Pachymeningitis Interna Hæmorrhagica" (BRAIN, vol. xv., p. 431). Dr. FERRIER, F.R.S., (1) "Tumour of Frontal Lobe;" (2) "Spinal Cord from a case of Syringomyelia." Dr. TAYLOR, (1) "Spinal Cord from a case of Syringomyelia" (*Lancet*, January 28, 1893); (2) "Two Cases of Tumour of the Spinal Cord with Ascending Degenerations."

June 16, Dr. COLMAN, "Paralysis of the Left Arm dating from infancy." Dr. BASTIAN, F.R.S., (1) "Unilateral Disseminated Sclerosis;" (2) "Athetoid Movements of the Left Arm." Dr. BUZZARD, (1) "Multiple Neuritis following Influenza;" (2) Apoplectiform Bulbar Paralysis."

November 17, Dr. HEAD, "On the Distribution of Sensory Disturbances, with especial reference to the pain of Visceral Disease" (BRAIN, vol. xvi., p. 1).

December 15, Dr. FERRIER, F.R.S., "Syringomyelia." Dr. PITT, "Muscular Atrophy with Hypertrophy of Neck Muscles." Dr. MITCHELL BRUCE, "Muscular Atrophy of Infantile Form." Dr. BRISTOWE, F.R.S., (1) "Syphilitic Disease of the Nervous Centres, with Ataxia and other Symptoms." (2) "Hæmorrhage into, or Softening of, Pons Varolii." Dr. ECCLES, "Crutch Palsy." Dr. BASTIAN, F.R.S., "Potts' Disease, with subsequent softening of the Spinal Cord, complete Motor and Sensory Paralysis, and almost complete Recovery" ("Hysterical or Functional Paralysis," 1893, p. 67). Dr. WOOD, "Acute Spinal Disease, with Anomalous Symptoms."

1893. January 19, Professor SCHÄFER, F.R.S. Inaugural Address, "The Nerve Cell as the basis of Neurology" (BRAIN, vol. xvi., p. 134).

February 9, Dr. SHERRINGTON, F.R.S., "The Skin Fields of some Sensory Spinal Nerve Roots" (*Phil. Trans.*, vol. clxxxiv., 1893. B., p. 641).

May 11, Dr. RISIEN RUSSELL, "On the Results of Cerebellar Lesions in Dogs" (*Brit. Med. Journ.*, 1893, and *Roy. Soc.*, not yet published). Professor HORSLEY, F.R.S., and Dr. KRAMER, "On an Experimental Investigation of the Effects of Gun Shot Wounds of the Brain." Dr. MOTT, "The Effects of Removal of Cortical Motor Centres" (*Brit. Med. Journ.*, 1893, and *Journ. of Physiol.*, Jan., 1894). Dr. HALE WHITE, "The Effects of Removal of 'the Arm Area' of the Cortex" (*Brit. Med. Journ.*, July 25, 1893). Dr. SHERRINGTON, F.R.S., "Division of the Fifth Nerve" (*Journ. of Physiol.*, vol. xiv., 1893, p. 255).

May 15, Mr. R. BOYCE, Photographs illustrating the degeneration in the Medulla and Cord following ablation of the Cerebral Hemispheres in Mammals. Dr. SHERRINGTON, F.R.S., Photographs illustrating the Skin Fields of the Upper Sensory Roots. Drs. BRUNTON, F.R.S., and CARRUTHERS, "Experiments in Elucidation of 'Treadler's Cramp.'" Dr. A. S. GRÜNBAUM, "On the Local Fibres of the Spinal Segment." Professor SCHÄFER, F.R.S., and Dr. FLOOD, "Some Results of Extirpation of the Lower Part of the Ascending Frontal Gyrus."

June 15, Dr. J. HUGHLINGS JACKSON, F.R.S., "Ophthalmoplegia Externa with weakness of the Orbicularis Palbebrarum" (*Lancet*, July 15, 1893). Dr. FERRIER, F.R.S., "Ophthalmoplegia Externa, with weakness of the Orbicularis Palpebrarum." Dr. WOOD, "Tabes with Ophthalmoplegia, Paralysis of the Motor part of fifth nerve, and Laryngeal Paralysis." Dr. J. HUGHLINGS JACKSON, F.R.S., "Lesions of the Sixth, Seventh, and Twelfth Cranial Nuclei, with Paralysis of the Infra-hyoid Muscles." Dr. JUDSON BURY, "Persistent profound Hemianæsthesia, with marked Concentric Narrowing of the Visual Fields, and Trophic Lesions of the Hand on the affected side."

November 23, Dr. DONKIN, "A Case of Muscular Wasting of both Upper Extremities, and complete Paralysis of one." Dr. H. LEWIS JONES, "Five Cases of Symmetrical Atrophy of the Intrinsic Muscles of the Hand in Young People" (*St. Barth's. Hosp. Reports*, vol. xxix.). Dr. ORMEROD, "A Case of Syringomyelia, showing loss of temperature sense, but not of pain." Dr. BEEVOR, "Paralysis Agitans, with Tremor of Lips, Tongue and Jaw" Dr. HECTOR MACKENZIE, "A Case of Friederich's Disease (*Amer. Journ. Med. Sci.*, 1894); A Case of Chorea in a man aged 81."